

Fully Differential Second-Order Filter

Al-Shahrani, S.M.; Dept. of Electr. Eng., King Fahd Univ. of Pet. & Miner., Dhahran,
Saudi Arabia;

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King Fahd University of Petroleum & Minerals

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Summary

In this paper a new fully-differential lowpass/bandpass second-order filter is proposed. The proposed filter uses three fully-differential second-generation current-conveyors (FDCCII), four resistors and two capacitors, doesn't require any matching condition and enjoys independent tuning of the gain and the parameters ω_p , ω_z , and Q . Experimental results are included.

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